What Is Claimed Is:

1. A fuel-injection system (1) for the injection of fuel into an internal combustion engine having at least one fuel injector (2) and a first fuel-distributor line (3) which is connected to each fuel injector (2), wherein a second fuel-distributor line (4) is provided which is connected to each fuel injector (2) via an individual lance (5).

2. The fuel-injection system as recited in Claim 1, wherein the second fuel-distributor line (4) is disposed in parallel to the first fuel-distributor line (3).

3. The fuel-injection system as recited in Claim 2, wherein the second fuel-distributor line (4) is connected to the first fuel-distributor line (3) by soldering.

4. The fuel-injection system as recited in one of Claims 1 through 3, wherein each lance (5) is connected to the second fuel-distributor line (4) by soldering.

5. The fuel-injection system as recited in one of Claims 1 through 4, wherein each lance (5) penetrates the first fuel-distributor line (3).

6. The fuel-injection system as recited in one of Claims 1 through 5, wherein each lance (5) extends into a supply-line nipple (6) of the fuel injector (2).

7. The fuel-injection system as recited in one of Claims 1 through 6, wherein the lance has a diameter of approximately 4 mm.

8. The fuel-injection system as recited in one of Claims 1 through 7,
wherein a non-return valve (7) is situated inside the lance (5).

9. The fuel-injection system as recited in Claim 8, wherein the non-return valve (7) is embodied as ball valve (7) having a spring (8).

10. The fuel-injection system as recited in one of Claims 1 through 9,
wherein the fuel injector (2) is connected to the first fuel-distributor line (3) via an intake (9).

11. A method for injecting fuel with the aid of a fuel-injection system (1) into an internal combustion engine having at least one fuel injector (2) and a first fuel-distributor line (3) which is connected to each fuel injector (2), and having a second fuel-distributor line (4) which is connected to each fuel injector (2) via an individual lance (5),
wherein the method includes the following method steps:
- Conveying startup fuel into the fuel injector (2) via the second fuel-distributor line (4) and the lance (5), and rinsing of the fuel injector (2);
- Conveying startup fuel into the fuel injector (2) via the second fuel-distributor line (4) and the lance (5), and simultaneous actuation of the fuel injector (2) to inject the startup fuel into the combustion chamber of the internal combustion engine;
- Repeating the first two method steps until the operating temperature of the internal combustion engine has been reached; and
- Conveying normal fuel into the fuel injector (2) via the first fuel-distributor line (3) and an intake (9)

and simultaneous actuation of the fuel injector (2) to inject the normal fuel into the combustion chamber of the internal combustion engine.